Mental Health YS*5.01*174

Deployment, Installation, Back-Out, and Rollback Guide

May 2021
Version 1.0

Department of Veterans Affairs
Office of Information and Technology (OI&T)

Revision History

Date	Version	Description	Author
May 2021	1.0	Initial Version	Liberty IT Solutions

Table of Contents

List of Tables

List of Figures

1 Introduction

This document describes how to deploy and install the patch YS*5.01*174 of the Mental Health package, as well as how to back-out the product and rollback to a previous version or data set.

This document is a companion to the project charter and management plan for this effort in this document.

1.1 Purpose

The purpose of this plan is to provide a single, common document that describes how, when, where, and to whom Mental Health patch YS*5.01*174 will be deployed and installed, as well as how it is to be backed out and rolled back, if necessary. The plan also identifies resources, communications plan, and rollout schedule. Specific instructions for installation, back-out, and rollback are included in this document.

1.2 Dependencies

It is assumed that this patch is being installed into a fully patched Veterans Health Information System and Technology Architecture (VistA) system.

1.3 Constraints

There are no constraints beyond the installation into an up-to-date VistA system.

2 Roles and Responsibilities

The following describes the roles and responsibilities associated with the testing and release of YS*5.01*174. This is a VistA patch that will be deployed via the normal Mailman route.

Table 1: Deployment, Installation, Back-out, and Rollback Roles and Responsibilities

Team	Phase / Role	Tasks	Project Phase (See Schedule)
Project Manager	Deployment	Determine and document the roles and responsibilities of those involved in the deployment.	Design
Software Quality Assurance (SQA), Test Sites	Deployment	Test for operational readiness	Test
Project Manager, Release Manager	Deployment	Execute deployment	Release
Individual VistA Sites	Installation	Plan and schedule installation	Release

Team	Phase / Role	Tasks	Project Phase (See Schedule)
Release Manager	Back-out	Confirm availability of back-out instructions and back-out strategy (what are the criteria that trigger a back-out)	Release
Sustainment Team	Post Deployment	Hardware, Software and System Support	Sustain

3 Deployment

The deployment is planned as a simultaneous (National Release) rollout. Once approval has been given to nationally release, YS*5.01*174 will be available for installation and deployment at all sites.

Scheduling of test installs, testing and production deployment will be at the site's discretion. It is anticipated there will be a 30-day compliance period.

3.1 Timeline

The deployment and installation are scheduled to run during May 2021.

3.2 Site Readiness Assessment

This section discusses the locations that will receive the YS*5.01*174 deployment.

3.2.1 Deployment Topology (Targeted Architecture)

YS*5.01*174 will be deployed to each VistA instance. This includes local sites as well as regional data centers.

3.2.2 Site Information (Locations, Deployment Recipients)

The initial deployment will be to Initial Operating Capability (IOC) sites for verification of functionality. Once testing is completed and approval is given for national release, YS*5.01*174 will be deployed to all VistA systems.

The Production IOC testing sites are:

- Clement J. Zablocki VAMC (Milwaukee, WI)
- Orlando VAMC

3.2.3 Site Preparation

YS*5.01*174 requires a fully patched VistA system. In particular, YS*5.01*172 (New Instrument – Personal Health Inventory) should have been installed prior to the installation of YS*5.01*174.

3.3 Resources

3.3.1 Facility Specifics (optional)

No specific facility instructions needed.

3.3.2 Hardware

No hardware instructions needed.

3.3.3 Software

No software instructions needed.

3.3.4 Communications

When YS*5.01*174 is released, the released-patch notification will be sent from the National Patch Module to all personnel who have subscribed to notifications for the Mental Health package.

4 Installation

4.1 Pre-installation and System Requirements

There are no pre-installation requirements.

4.2 Platform Installation and Preparation

This patch can be loaded with users in the system. Installation time will be less than 5 minutes.

To ensure the integrity of the transport global, use the "Verify Checksums in Transport Global" to compare the checksums with the list that follows:

```
The checksums below are new checksums, and can be checked with CHECK1^XTSUMBLD.

Routine Name: YS174PST    Before:      n/a  After:  B1729463  **174**
Routine Name: YTSCMIXG    Before:      n/a  After: B34567569  **174**
```

4.3 Access Requirements and Skills Needed for theInstallation

Installation of YS*5.01*174 requires access to KIDS options to be able to load and install the KIDS build.

4.4 Installation Procedure

This patch may be installed with users on the system although it is recommended that it be installed during non-peak hours to minimize potential disruption to users. This patch should take less than 5 minutes to install.

1. Choose the PackMan message containing this build. Then select the INSTALL/CHECK MESSAGE PackMan option to load the build.

2. From the Kernel Installation and Distribution System Menu, select the Installation Menu. From this menu:

    A. Select the Verify Checksums in Transport Global option to confirm the integrity of the routines that are in the transport global. When prompted for the INSTALL NAME enter the patch or build name (YS*5.01*174).

    B. Select the Backup a Transport Global option to create a backup message. You must use thisoption for each patch contained in the Host File. For each patch you can specify what to backup, the entire Build or just Routines. The backup message can be used to restore just the routines or everything that will restore your system to pre-patch condition.

    C. You may also elect to use the following options:

        i. Print Transport Global - This option will allow you to view the components of theKIDS build.

        ii. Compare Transport Global to Current System - This option will allow you to view all changes that will be made when this patch is installed. It compares all of the componentsof this patch, such as routines, DDs, templates, etc.

    D. Select the Install Package(s) option and choose the patch to install (YS*5.01*174).

        i. If prompted 'Want KIDS to Rebuild Menu Trees Upon Completion of Install? NO//', answer NO.

        ii. When prompted 'Want KIDS to INHIBIT LOGONs during the install? NO//', answer NO.

        iii. When prompted 'Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//', answer NO.

4.5 Installation Verification Procedure

This patch adds a new instrument, the Case Mix & Budget Tool (CASE MIX). You may verify installation by looking in the MH TESTS AND SURVEYS file (#601.71) for the **CASE MIX** entry:

```
VA FileMan 22.2


Select OPTION: INQUIRE TO FILE ENTRIES


Output from what File: REMOTE PROCEDURE// MH TESTS AND SURVEYS
                                        (262 entries)
Select MH TESTS AND SURVEYS NAME: CASE MIX   CASE MIX
```

```
Another one:
Standard Captioned Output? Yes//    (Yes)
Include COMPUTED fields:  (N/Y/R/B): NO//  - No record number (IEN), no Computed Fields


NAME: CASE MIX                      PRINT TITLE: Case Mix & Budget Tool
  AUTHOR: VHA HCBS                  PUBLISHER: VHA
  PUBLICATION DATE: OCT 01, 2016    OPERATIONAL: Yes
  etc. . . .
```

4.6 System Configuration

No system configuration required.

4.7 Database Tuning

No database tuning required.

5 Back-Out Procedure

5.1 Back-Out Strategy

This patch updates the Mental Health database with all new records that support the new CASE MIX instrument. The back-out procedure will leave these records in place, but inoperative since they pertain only to that instrument. If there is a compelling reason to back-out the new CASE MIX records themselves, you will need to contact the development team for a patch. The back-out procedure below will restore MHA to its state prior to the patch installation.

5.2 Back-Out Considerations

If the YS174* routines are removed, the CASE MIX will not score correctly.

5.3 Back-Out Criteria

A back-out should only be considered if there is a patient safety issue, if MHA no longer functions, or if there is some other catastrophic failure.

5.4 Back-Out Risks

The risks vary depending on what is causing the failure of the system. The main risk is that the CASE MIX instrument will be unavailable.

5.5 Authority for Back-Out

The VistA system manager determines if a back-out of YS*5.01*174 should be considered.
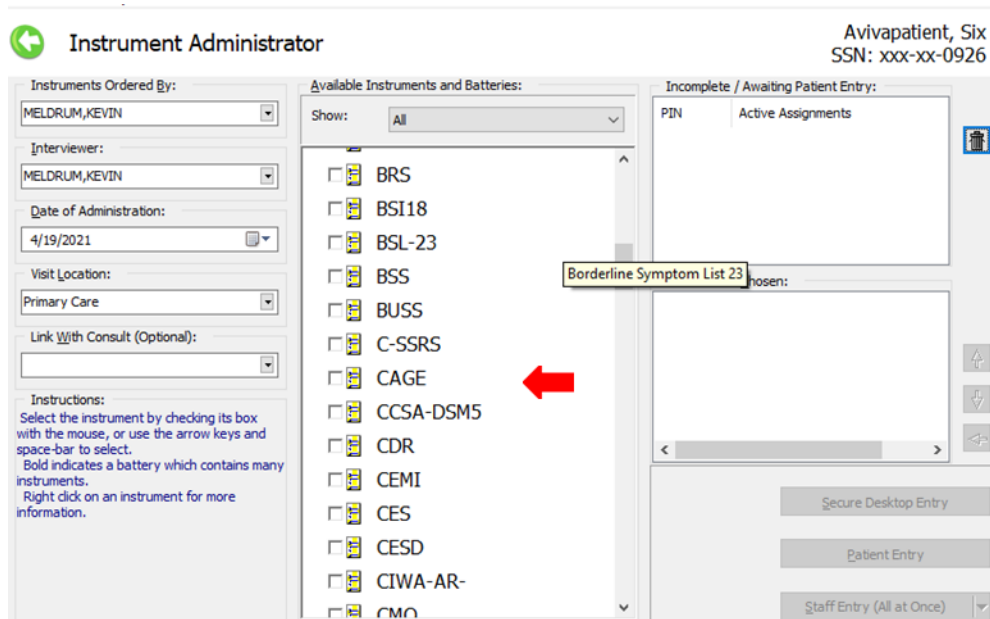
5.6 Back-Out Procedure

There are only new routines in YS*5.01*174, so there are no previous versions of routines to restore.

Disable the CASE MIX by editing the OPERATIONAL field (#10) and the LAST EDIT DATE field (#18) in the MH TESTS AND SURVEYS file (#601.71). Set OPERATIONAL to "Dropped" and set LAST EDIT DATE to "Now".

5.7 Back-out Verification Procedure

To verify the back-out procedure, run Mental Health Assistant (MHA), select *Instrument Administrator*, and verify that CASE MIX does <u>not</u> appear *Available Instruments and Batteries* list.

Figure 1: Instrument Administrator

6 Rollback Procedure

6.1 Rollback Considerations

YS*5.01*174 only adds new routines and a new instrument. If the back-out instructions are completed, there is nothing to rollback.

6.2 Rollback Criteria

No rollback criteria.

6.3 Rollback Risks

No rollback risks.

6.4 Authority for Rollback

Authority for rollback not needed.

6.5 Rollback Procedure

No rollback procedure needed.

6.6 Rollback Verification Procedure

No rollback verification procedure needed.

7 Appendix A – Acronyms

Table 2: Acronyms

Acronym	Definition
CAG	Citrix Access Gateway
CD	Critical Decision
DIBRG	Deployment, Installation, Back-out, and Rollback Guide
IOC	Initial Operating Capability
KIDS	Kernel Installation and Distribution System
MHA	Mental Health Assistant
PIN	Personal Identification Number
PIV	Personal Identity Verification
SPP	Suicide Prevention Package
SQA	Software Quality Assurance
SSOi	Single Sign-On Integration
VA	Department of Veterans Affairs
VAMC	Veterans Affairs Medical Center
VIP	Veteran-focused Integration Process
VistA	Veterans Health Information System and Technology Architecture